

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-44. (Cancelled)

45. (Previously Presented) An isolated polynucleotide encoding a polypeptide selected from the group consisting of:

a) an amino acid sequence of SEQ ID NO:1 or SEQ ID NO:3, and

b) a naturally-occurring amino acid sequence having at least 90% sequence identity to the sequence of SEQ ID NO:1 or SEQ ID NO:3, and a polynucleotide complementary thereto.

46. (Previously Presented) An isolated polynucleotide of claim 45, having a sequence of SEQ ID NO: 3 or SEQ ID NO: 4.

47. (Previously Presented) A recombinant polynucleotide comprising a promoter sequence operably linked to a polynucleotide of claim 45.

48. (Previously Presented) A cell transformed with a recombinant polynucleotide of claim 47.

49. (Previously Presented) A method for producing a polypeptide selected from the group consisting of:

a) an amino acid sequence of SEQ ID NO:1 or SEQ ID NO:3, and

b) a naturally-occurring amino acid sequence having at least 90% sequence identity to the sequence of SEQ ID NO:1 or SEQ ID NO:3, the method comprising:

i) culturing a cell of claim 48 under conditions suitable for expression of the polypeptide, and

ii) recovering the polypeptide so expressed.

50-51. (Canceled)

52. (Previously Presented) An isolated polynucleotide comprising a sequence selected from the group consisting of:

a) a polynucleotide sequence of SEQ ID NO:2 or SEQ ID NO:4,

b) a naturally-occurring polynucleotide sequence having at least 90% sequence identity to the sequence of SEQ ID NO:2 or SEQ ID NO:4,

c) a polynucleotide sequence complementary to a), and

d) a polynucleotide sequence complementary to b).

53-64. (Canceled)

65. (Previously Presented) A method for screening a compound for effectiveness in altering expression of a target polynucleotide, wherein said target polynucleotide comprises a sequence of claim 46, the method comprising:

a) exposing a sample comprising the target polynucleotide to a compound, and

b) detecting altered expression of the target polynucleotide.

66. (Canceled)

67. (Previously Presented) A method for detecting a target polynucleotide in a sample, said target polynucleotide having a sequence of a polynucleotide of claim 52, the method comprising:

a) amplifying said target polynucleotide or fragment thereof using polymerase chain reaction amplification, and

b) detecting the presence or absence of said amplified target polynucleotide or fragment thereof, and, optionally, if present, the amount thereof.

68. (Previously Presented) A method for screening a compound for effectiveness in altering expression of a target polynucleotide, wherein said target polynucleotide comprises a sequence of claim 52, the method comprising:

- a) exposing a sample comprising the target polynucleotide to a compound, and
- b) detecting altered expression of the target polynucleotide.